



Electronics

Energy Division

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Protector Trip Relays Transformer Selection

Device No.	Function	Aux. Power Voltage	Transformer Part Number	Current/Voltage	Part Number	General Notes
252-PA/O/U/V/P 253-3X CUR	Current over/under	115 230 410	35488-01 + - 35%	5A 10A 1A	35256-01 35256-02 35256-03	410V tap can not have UL
253-PAD	Current over/under	120 240 450	35620-01	5A 10A 1A	35256-01 35256-02 35256-03	450V tap can not have UL
252-PV/O/U/R/AV/P	Voltage over/under	115 230 410	35488-01 + - 35%	NR	Resistor tap selection	410V tap can not have UL
253-PV/B/M/E	Voltage over/under	120 240 450	35620-01	NR	Resistor tap selection	450V tap can not have UL

252- PH/O/U	Frequency over/under	115 230 410	35488-01 + - 35%	NR	Derived from input voltage	410V tap can not have UL
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253-PHD	Frequency over/under	120 240 450	35620-01	NR	Derived from input voltage	450V tap can not have UL
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256- PA/S/T/Q/R	Reverse power	115 230 410	35488-01 + - 35%	5A 10A 1A	35256-01 35256-02 35256-03	410V tap can not have UL
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252-PVR	Phase Sequence	69 120 150 208 240 277 300	35490-08 35490-11 35490-06 35490-15 35490-12 35490-05 35490-07	NR	Resistor valve selection for voltage input	Transformer 35490-01 is avalable as 120/240/412 but can not be used for UL product
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252- PS/F/G	Phase sequence/ Balance/ loss	See manual 10 for voltage requirement	35488-*	NR	Resistor valve selection for voltage input	35488-01 & 07 must not be used due to mis- operation of relay. May be UL to 600V.
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256-PL/L/D	Syn-check	120 240 415	35487-01	120 240 415	35487-01	Input voltage is link change. 415V tap cannot have UL label
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253-PH3	Speed sensing	DC	NR Resistor & relay selection	12V 24V	NR Magnetic probe pickup	
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252-PB/T/S/A/B 252-PT/O/U	Millivolt trip over or under	120 230 410	35488-01 + - 35%	NR	Resistor valve selection for required voltage input	410V tap can not have UL
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252-PM/T/M	T/C Trip	69 120 150 208 240 277 300	35490-08 35490-11 35490-06 35490-15 35490-12 35490-05 35490-07	NR	Resistor valve selection for required voltage input	35490-01 is 120/240/415V but can not be used for UL product
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253-PBV	Over/under Transducer trip	120 240 450	35260-01	NR	Resistor valve selection for required voltage input	450V tap can not have UL
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256-PR/A/B/C	3 RTD temp trip	120 240 450 115 230 240	(T117) 35978-01 (T118) 35488-01	NR	Resistor valve selection for type RTD required	
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256-PCC	6 RTD Temp trip	120 208 220 240 277 120 230 240	T36/37 56501-09 56501-17 56501-19 56501-21 56501-34 T38 35181-03 35181-04 35181-05	NR	Resistor valve selection for type RTD required	
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256-PHV	1 phase over/under volt over/under freq.	120 240	3C830-01 3C830-02	NR	NR	
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